

# Rabbit anti-Human CD8 alpha Monoclonal Antibody | anti-CD8A antibody

CD8 alpha Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA312184 | Rabbit | Human      | Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot |

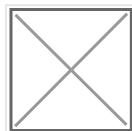
## PRODUCT SYNONYMS

CD8 alpha; Monoclonal Antibody; CD8 alpha Antibody; alpha polypeptide (p32) antibody; CD8 antibody; CD8 antigen alpha polypeptide antibody; CD8 antigen alpha polypeptide (p32) antibody; CD8a antibody; CD8A antigen antibody; CD8A molecule antibody; CD8A\_HUMAN antibody; Leu2 antibody; Leu2 T lymphocyte antigen antibody; Ly3 antibody; LYT3 antibody; MAL antibody; OKT8 T cell antigen antibody; OTTHUMP00000160760 antibody; OTTHUMP00000160764 antibody; OTTHUMP00000203528 antibody; OTTHUMP00000203721 antibody; p32 antibody; T cell antigen Leu2 antibody; T cell co receptor antibody; T-cell surface glycoprotein CD8 alpha chain antibody; T-lymphocyte differentiation antigen T8/Leu-2 antibody; T8 T cell antigen antibody; T8/Leu-2 T-lymphocyte differentiation antigen antibody; anti-CD8A antibody

## PRODUCT SPECIFICATIONS

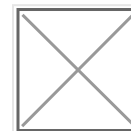
|                                                |                                                                                                   |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                            |
| Reactivity                                     | Human                                                                                             |
| Clonality                                      | Monoclonal                                                                                        |
| Clone Number                                   | SI18-01                                                                                           |
| Purity/Purification                            | ProA affinity purified                                                                            |
| Form/Format                                    | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.                            |
| Applicable Applications for anti-CD8A antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot) |
| Antibody Type                                  | Recombinant Antibody                                                                              |
| Immunogen                                      | Recombinant protein                                                                               |
| Conjugation                                    | Unconjugated                                                                                      |
| Preparation and Storage                        | Store at -20 degree C.                                                                            |

## IMAGES



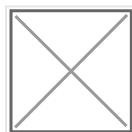
### ICC (Immunocytochemistry)

ICC staining CD8 alpha in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



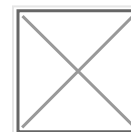
### ICC (Immunocytochemistry)

ICC staining CD8 alpha in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD8 alpha antibody. Counter stained with hematoxylin.



### WB (Western Blot)

Western blot analysis of CD8 alpha on different lysates using anti-CD8 alpha antibody at 1/1,000 dilution. Positive control: Lane 1: HeLa Lane 2: Lovo

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD8A antibody | The T cell receptor (TCR) is a heterodimer composed of either alpha and beta or gamma and delta chains. CD3 chains and the CD4 or CD8 (CD8-alpha and CD8-beta ) co-receptors are also required for efficient signal transduction through the TCR. The TCR is expressed on T helper and T cytotoxic cells that can be distinguished by their expression of CD4 and CD8 proteins; T helper cells express CD4 proteins and T cytotoxic cells display CD8 proteins. CD8s are cell surface glycoproteins that exist as two chain complex (alphaalpha or alphabeta ) receptors that bind class I MHC molecules presented by the antigen-presenting cell (APC). A primary function of CD8 proteins is to facilitate antigen recognition by the TCR and to strengthen the avidity of the TCR-antigen interactions. An additional role for CD8-expressing T cells may be to maintain low levels of HIV expression. |
| Product Categories/Family for anti-CD8A antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 225007536                                                                                                                                                                                                                                    |
| NCBI GeneID                      | 925                                                                                                                                                                                                                                          |
| NCBI Accession #                 | NP_001139345.1                                                                                                                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_001145873.1                                                                                                                                                                                                                               |
| UniProt Accession #              | P01732; Q13970; Q4ZG17; D6W5M8                                                                                                                                                                                                               |
| Molecular Weight                 | 32kDa                                                                                                                                                                                                                                        |
| NCBI Official Full Name          | T-cell surface glycoprotein CD8 alpha chain isoform 1                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | CD8a molecule                                                                                                                                                                                                                                |
| NCBI Official Symbol             | CD8A                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | CD8; MAL; p32; Leu2                                                                                                                                                                                                                          |
| NCBI Protein Information         | T-cell surface glycoprotein CD8 alpha chain; T8 T-cell antigen; T cell co-receptor; OKT8 T-cell antigen; T-cell antigen Leu2; Leu2 T-lymphocyte antigen; CD8 antigen, alpha polypeptide (p32); T-lymphocyte differentiation antigen T8/Leu-2 |
| UniProt Protein Name             | T-cell surface glycoprotein CD8 alpha chain                                                                                                                                                                                                  |
| UniProt Gene Name                | CD8A                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | MAL                                                                                                                                                                                                                                          |
| UniProt Entry Name               | CD8A_HUMAN                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd8-alpha-antibody-clone-si18-01-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/312184>